# A.P.I.

# *EXP-52*

## OPERATION INSTRUCTIONS

THE BEST SECURITY SPEAKS FOR ITSELF

**THIS PRODUCT IS DESIGNED FOR PROFESSIONAL INSTALLATION ONLY!!**

Congratulations on your purchase of the EXP-52 vehicle security system.

Please take the time to read over this operation manual to thoroughly familiarize yourself with the many features and options.

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!!NOTICE!!

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND

(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

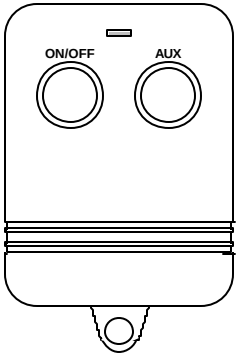
FEDERAL COMMUNICATION COMMISSION RULES AND REGULATIONS PROHIBIT THE ADJUSTMENT OF THE TRANSMITTER PORTION OF THIS SYSTEM BY UNLICENSED PERSONNEL.

# EXP-52 OPERATION INSTRUCTIONS

## A. REMOTE CONTROL TRANSMITTER OPERATION

The new remote control transmitter (XT-54) included with the EXP-52 offers the code rolling feature which will prevent illegal use of a code-grabber with an attempt to record the code of your transmitter.

### 1. ARM/DISARM




**TO ARM THE EXP-52**

Press the ON/OFF button once to arm. The siren will chirp one (1) time, the lights will flash, and all doors will lock. (*)

**TO DISARM THE EXP-52**

Press the ON/OFF button once to disarm. The siren will chirp two (2) times, the lights will flash, and all doors will unlock.(*)

**NOTE**(*): Your vehicle must be equipped with power door locks and optional relays may be required. Additionally, all doors will lock automatically each time the ignition key is turned on, and unlock each time the ignition key is turned off. Please see Section (H).

### 2. TEMPORARY CHIRP DELETE FROM REMOTE

Upon approaching the vehicle (whether armed or disarmed) push the AUX button on the remote control transmitter for half (0.5) second, then very quickly push the ON/OFF button on the transmitter to arm or disarm in the usual manner. The chirp sound will be silenced only for this particular operation. The sequence must be repeated each time if it is desired to cancel the arm/disarm chirp sound.

### 3. PANIC FUNCTION

The EXP-52 remote control may be used as a remote panic switch to trigger the siren in cases of emergency. To activate the PANIC FUNCTION press and hold the ON/OFF button on the remote transmitter for a minimum of 3 seconds. The siren will sound. To stop the PANIC FUNCTION press the ON/OFF button on the transmitter.

### 4. DELETING THE PRE-WARNING SENSOR CIRCUIT (If installed)

The EXP-52 offers the dual stage SIS-5 impact sensor to pre-warn a light impact on the vehicle with a siren chirp before triggering the alarm. The alarm will trigger with the third violation within 15 seconds. The EXP-52 also provides a pre-warning sensor input for an additional sensor like a radar sensor to pre-warn approach to the vehicle.

To delete the pre-warning sensor, press the ON/OFF button again within 5 seconds after arming. The siren will confirm deletion with a low chirp.

**NOTE**: Deleted sensor(s) will return to normal operation upon disarming the EXP-52. Sensor(s) deletion procedure must be followed each time the EXP-52 is armed. This operation deletes only the pre-warning sensor of the alarm.

**NOTE**: This pre-warning feature is set inactive by the factory, and must be activated at the time of installation if this feature is desired.

### 5. TRUNK/HATCH RELEASE

To remotely release the electric trunk or hatch on the vehicle you must first disarm the EXP-52. After disarming, push the AUX button on the transmitter for **THREE (3)** seconds. Trunk or hatch will release and open. **NOTE**: The alarm will not control mechanical/latch trunk release mechanisms.

## 6. OPTIONAL ACCESSORY OPERATION

Simultaneously pressing both the ON/OFF and AUX buttons will allow third channel operation. A negative pulse begins and will continue until buttons are released. It is not recommended to press the buttons longer than 3 seconds.

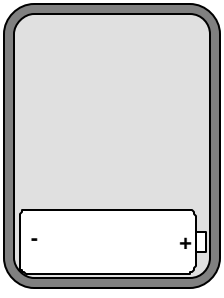
## 7. SECOND CAR OPERATION

Refer to SECTION "(K)" of this operation manual. Arming and disarming will be determined by how the transmitters have been programmed for multiple vehicle operation.

## 8. CHANGING THE REMOTE TRANSMITTER BATTERY

The EXP-52 remote transmitter uses one (1) 12 volt miniature battery, #EL12, #VR22, or Radio Shack #23-144. It will provide approximately one year of operation before replacement is necessary.

To replace the battery, carefully remove the case screw located at the end of the remote where the key ring attaches to the case. Use a small blade Phillips screwdriver. Before removing the battery note the direction of its terminals. Install the new battery exactly the same, using caution so as not to bend, or otherwise damage the battery contacts. Replace the case cover and carefully tighten the screw. *Do not over-tighten the screw!* Test the transmitter to insure it arms and disarms the alarm.



## B. LED STATUS INDICATOR OPERATION

1. LED OFF= The EXP-52 is disarmed.
2. LED CONSTANT ON= Indicates open trigger circuit.
3. LED FAST FLASHING= Passive arming timer is counting down.
4. LED FLASHING= The EXP-52 is armed.
5. LED FLASHING IN A 2 FLASH/HOLD SEQUENCE= Alarm breach.

**NOTE**: Unless a door is opened after disarming, the EXP-52 will automatically rearm in 60 seconds, and the LED will continue to flash. See Section (G) AUTOMATIC RE-ARMING for details.

## C. AUDIBLE AND VISUAL ALARM STATUS INDICATOR

1. 1 CHIRP WITH LIGHT FLASH= Alarm is armed.
2. 2 CHIRPS WITH LIGHT FLASH= Alarm is disarmed.
3. 4 CHIRPS WITH LIGHT FLASH & LED FLASHING IN A 2 FLASH/HOLD SEQUENCE= Alarm is disarmed and has been breached in your absence.

## D. BREACH WARNING

The EXP-52 is equipped with BREACH WARNING to tell you, upon disarming, if the alarm has been triggered in your absence. Press the ON/OFF button on the remote transmitter. If a breach has occurred, the siren will signal with 4 chirps, the lights will flash four times, and the LED will be flashing in a 2 second flash/hold sequence.

## E. VALET/OVERRIDE SWITCH

**NOTE**: Both VALET and OVERRIDE functions are performed from the same switch.

### 1. OVERRIDE FUNCTION

The OVERRIDE FUNCTION may be used if the EXP-52 remote is lost or inoperative. To operate the OVERRIDE FUNCTION, enter the vehicle

(siren will sound); switch the vehicle ignition to ON. Move the VALET/OVERRIDE switch to ON; then OFF; the siren will stop. The EXP-52 will be disarmed. Quickly replace or service the remote transmitter to insure continued vehicle protection.

**2. VALET FUNCTION**

The EXP-52 may be placed into the VALET (stand-by) mode to allow for vehicle service, car washing, or attendant parking without self arming after the ignition is switched off, and without leaving the EXP-52 remote control with unauthorized individuals.

To operate the VALET FUNCTION turn the vehicle ignition to ON and move the VALET/OVERRIDE SWITCH to ON.

To return to normal operation turn the vehicle ignition to ON and move the VALET/OVERRIDE SWITCH to OFF.

**3. KEYLESS ENTRY MODE**

In the valet mode, the vehicle doors can be locked and unlocked using the remote. However, there will be no chirp confirmation; it is strongly recommended that the driver visually confirm that the doors are locked.

## F. PASSIVE/MANUAL ARMING OPERATION

(Optional at installation)

Passive/Manual operations can be selectable if an optional toggle switch is installed. Consult your installing dealer.

**1. PASSIVE ARMING**

If you choose the PASSIVE (automatic) mode, the system must be operated as below.

1. Switch OFF vehicle ignition, exit vehicle, and be sure all protected openings are closed.

2. The LED STATUS INDICATOR will begin *fast flashing* and the passive arming timer will begin counting down.

3. If you re-open the exit, the LED will stop flashing.

4. Close the exit, and the LED will start flashing again.

5. The EXP-52 will count down for 30 seconds. After 30 seconds, the siren will chirp 1 time indicating the EXP-52 has armed.

**NOTE**: If the optional remote power door locks feature is installed, the doors will automatically lock *10 seconds after* the PASSIVE arming cycle is completed.

**2. MANUAL ARMING**

If you choose the MANUAL (active) arming mode, follow the steps below.

1. Switch off ignition, leave vehicle, and close all protected openings.

2. Press the ON/OFF button on the remote transmitter.

3. The siren will chirp 1 time. 5 seconds later the EXP-52 will be fully armed.

## G. AUTOMATIC RE-ARMING

The EXP-52 is equipped with an automatic re-arming circuit that will return the alarm to a fully armed state if a door is *not* opened within 60 seconds after disarming. This automatic re-arming circuit can be eliminated at the time of installation.

## H. IGNITION CONTROL POWER DOOR LOCK SYSTEM

When installed with remote power door locks, the vehicle's doors will automatically lock when the ignition is switched on. The doors will automatically unlock when the ignition is switched off. In order to avoid any undesirable lock-out, the doors will *not* lock if any door is left open.

This feature is optional at time of installation.

## I. TRIGGER TEST

After arming the EXP-52 in either the PASSIVE or MANUAL mode, test the system in the following manner.

1. Open any door or other protected opening. The siren will sound instantly, and the lights will flash.

2. If the pre-warning feature is activated, the EXP-52's SIS-5 impact sensor will respond to a light shock with a chirp sound, and trigger the alarm when a heavier shock is detected. (Please refer to A-4 for details).

3. If optional sensors have been installed, arm the EXP-52 and test according to the directions of the particular sensor installed.

If triggered in the armed condition, the EXP-52 will sound its siren and flash the lights for 60 seconds; then it will stop and automatically reset and rearm. If the violation continues, the alarm will sound and lights will flash for two 60 second cycles.

## J. PROGRAMMING THE REMOTE TRANSMITTERS

**NOTE**: *Each time the programming mode is entered, all programmed transmitter codes will be automatically deleted and must be re-programmed*. This is an important security feature. If any transmitter is lost or stolen, enter the programming mode and re-program existing transmitters. Transmitters can only be programmed by entering the programming mode. Existing codes will remain in memory even if power to the EXP-52 is disconnected.

To program the EXP-52 transmitters, follow the directions as written below, *in their exact order!*

1. Flip the VALET/OVERRIDE switch to "ON" position.

2. Turn the ignition switch to "ON", then "OFF", then *immediately*

3. Flip the VALET/OVERRIDE switch "OFF", "ON/OFF", "ON/OFF". The siren will chirp one (1) time.

4. Turn the ignition switch "ON/OFF", "ON/OFF". The siren will chirp two (2) times. You are now in the programming mode.

5. Press the ON/OFF button on one of the remote transmitters until the alarm siren responds with a confirming chirp. The first transmitter is now programmed.

   *Within five (5) seconds*, press the ON/OFF button on the second transmitter until the alarm siren responds with a confirming chirp. The second transmitter is now programmed.

   **NOTE**: *If the EXP-52 does not receive a second code to learn within five (5) seconds, it will automatically close the programming mode and resume normal alarm functions*. If this happens, it will be necessary to repeat steps 1 through 6 and re-program *all* transmitters. If three or four transmitters are programmed, continue pressing the ON/OFF button of the third and/or fourth transmitters.

6. The EXP-52 can learn up to four remote transmitter codes. If later optional third and forth transmitters are to be programmed, follow sequence 1 through 6 and re-program *all* existing transmitters.

## K. PROGRAMMING REMOTE FOR A SECOND VEHICLE

The EXP-52 transmitters are capable of controlling separately installed EXP-52 or RF-302 alarm systems in two or three vehicles.

To code the EXP-52 transmitters for two or three vehicles follow the diagrams as shown below. Before multiple vehicle programming can be achieved, it is necessary to enter the programming mode as described in SECTION K.

**1. TWO VEHICLE OPERATION**

VEHICLE #1

Enter the programming mode on vehicle #1 and push the ON/OFF button on the transmitter for Vehicle #1. The alarm siren will respond with a confirming chirp. *Within five (5) seconds*, push the AUX button on the transmitter for Vehicle #2. The alarm siren will respond with a confirming chirp. Both transmitters are now programmed to Vehicle #1.

VEHICLE #2

Enter the programming mode on Vehicle #2 and push the AUX button on the first transmitter used for Vehicle #1. The alarm siren will respond with a confirming chirp. *Within five (5) seconds*, push the ON/OFF button on the second transmitter that had been previously programmed on Vehicle #1. The alarm siren will respond with a confirming chirp. Both transmitters are now programmed to Vehicle #2.

**NOTE**: Here, the first transmitter is assumed to be the primary transmitter of Vehicle #1, and the second transmitter is assumed to be the primary transmitter of Vehicle #2.

| | VEHICLE #1 | VEHICLE #2 |
|---|---|---|
| TRANSMITTER #1 | **ON/OFF** BUTTON | **AUX** BUTTON |
| TRANSMITTER #2 | **AUX** BUTTON | **ON/OFF** BUTTON |

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